



TEST REPORT

Report No. : **CTC2024175204**

FCC ID..... : **2A3DY-2024EXPR07**

Applicant : **Blaze Entertainment Ltd**
 Address..... : 208, Spirella Building, Bridge Road, Letchworth Garden City, Hertfordshire, SG6 4ET, UK

Manufacturer..... : Blaze Entertainment Ltd
 Address..... : 208, Spirella Building, Bridge Road, Letchworth Garden City, Hertfordshire, SG6 4ET, UK

Product Name : **Blaze Evercade EXP-R + Tomb Raider Handheld**

Trade Mark : EVERCADE

Model/Type reference..... : FG-EXPR-HHC-EFIGS

Listed Model(s) : FG-EXPR-HHC-GU, FG-EXPR-HHC-USA, FG-EXPR-HHC

Standard : **FCC CFR Title 47 Part 15 Subpart C Section 15.247**

Test Report Form No : CTC-TR-057_A1

Master TRF : Dated 2024-09-20

Date of receipt of test sample..... : Jul. 17, 2024

Date of testing..... : Jul. 17, 2024 to Nov. 12, 2024

Date of issue..... : Nov. 12, 2024

Result..... : **PASS**

Compiled by:

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Approved by:

(Printed name+signature) Totti Zhao

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Operation within the bands 902–928MHz, 2400–2483.5MHz, and 5725–5850MHz.

[RSS-247 Issue 3](#): Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices.

[RSS-Gen Issue 5](#): General Requirements for Compliance of Radio Apparatus.

[ANSI C63.10-2013](#): American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Report No.	Date of issue	Description
01	CTC2024175204	Nov. 12, 2024	Original

1.3. Test Description

FCC Part 15 Subpart C (15.247) / RSS-247 Issue 3				
Test Item	Standard Section		Result	Test Engineer
	FCC	IC		
Antenna Requirement	15.203	RSS-Gen 6.8	Pass	Jim Jiang
Conducted Emission	15.207	RSS-Gen 8.8	Pass	Jim Jiang
Conducted Band Edge and Spurious Emissions	15.247(d)	RSS-247 5.5	Pass	Jim Jiang
Radiated Band Edge and Spurious Emissions	15.205&15.209&15.247(d)	RSS-247 5.5	Pass	Jim Jiang
6dB Bandwidth	15.247(a)(2)	RSS-247 5.2 (a)	Pass	Jim Jiang
Conducted Max Output Power	15.247(b)(3)	RSS-247 5.4 (d)	Pass	Jim Jiang
Power Spectral Density	15.247(e)	RSS-247 5.2 (b)	Pass	Jim Jiang
Transmitter Radiated Spurious	15.209&15.247(d)	RSS-247 5.5&RSS-Gen 8.9	Pass	Jim Jiang

Note:

- The measurement uncertainty is not included in the test result.
- N/A: means this test item is not applicable for this device according to the technology characteristic of device.



1.4. Test Facility

Address of the report laboratory

CTC Laboratories, Inc.

Add: Room 101 of Building B, Room 107, 108, 207, 208 of Building A, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.



1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

Test Items	Measurement Uncertainty	Notes
DTS Bandwidth	±0.0196%	(1)
Maximum Conducted Output Power	±0.686 dB	(1)
Maximum Power Spectral Density Level	±0.743 dB	(1)
Band-edge Compliance	±1.328 dB	(1)
Unwanted Emissions In Non-restricted Freq Bands	9kHz-1GHz: ±0.746dB 1GHz-26GHz: ±1.328dB	(1)
Conducted Emissions 9kHz~30MHz	±3.08 dB	(1)
Radiated Emissions 30~1000MHz	±4.51 dB	(1)
Radiated Emissions 1~18GHz	±5.84 dB	(1)
Radiated Emissions 18~40GHz	±6.12 dB	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.6. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15 °C to 35 °C
Relative Humidity:	20 % to 75 %
Air Pressure:	101 kPa



2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Blaze Entertainment Ltd
Address:	208, Spirella Building, Bridge Road, Letchworth Garden City, Hertfordshire, SG6 4ET, UK
Manufacturer:	Blaze Entertainment Ltd
Address:	208, Spirella Building, Bridge Road, Letchworth Garden City, Hertfordshire, SG6 4ET, UK

2.2. General Description of EUT

Product Name:	Blaze Evercade EXP-R + Tomb Raider Handheld
Trade Mark:	EVERCADE
Model/Type reference:	FG-EXPR-HHC-EFIGS
Listed Model(s):	FG-EXPR-HHC-GU, FG-EXPR-HHC-USA, FG-EXPR-HHC
Model Difference:	All these models are identical in the same PCB, layout, electrical circuit and enclosure. The difference is the model name.
Sample ID:	CTC240715-005-S001
Power Supply:	Type-C Input: 5V $\overline{=}$ 1-3A 3.7V 3000mAh 11.1Wh form Lithium-ion Battery
Hardware Version:	/
Software Version:	/
2.4G WiFi	
Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Operation Frequency:	802.11b/ g/ n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz
Channel Number:	802.11b/ g/ n(HT20): 11 channels 802.11n(HT40): 7 channels
Channel Separation:	5MHz
Antenna Type:	FPC Antenna
Directional Gain:	1.4dBi



2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	ThinkPad T460s	MP246QDR	Lenovo
Adapter	A2167	/	Apple
Cable Information			
Name	Shielded Type	Ferrite Core	Length
USB Cable	Unshielded	NO	100cm
Test Software Information			
Name	Version	/	/
adb tool	/	/	/



2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Channel	Frequency (MHz)
01	2412
02	2417
03	2422
04	2427
05	2432
06	2437
07	2442
08	2447
09	2452
10	2457
11	2462

Note: CH 01~CH 11 for 802.11b/g/n(HT20), CH 03~CH 09 for 802.11n(HT40).

Data Rated:

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is a worst case mode.

Test Mode	Data Rate (worst mode)
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)/(HT40)	HT-MCS0

Test Mode:

For RF test items:
The engineering test program was provided and enabled to make EUT continuous transmit.
For AC power line conducted emissions:
The EUT was set to connect with the WLAN AP under large package sizes transmission.
For Radiated spurious emissions test item:
The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

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TRF No: CTC-TR-057_A1

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2.5. Measurement Instruments List

RF Test System - SRD					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	MXA Signal Analyzer	Keysight	N9020A	MY52091402	Aug. 21, 2025
2	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 12, 2024
3	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 12, 2024
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 15, 2025
5	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 15, 2025
6	RF Control Unit	Tonscend	JS0806-2	/	Aug. 21, 2025
7	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 15, 2025
8	Test Software	Tonscend	JS1120-3	V3.3.38	/
9	Wideband Radio Communication Tester	R&S	CMW500	102414	Dec. 12, 2024

Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9163	01026	Dec. 18, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Sep. 25, 2025
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 12, 2024
4	Broadband Amplifier	SCHWARZBECK	BBV9743B	259	Dec. 12, 2024
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 12, 2024
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026
7	Test Software	FARA	EZ-EMC	FA-03A2	/

Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	LISN	R&S	ENV216	101112	Dec. 12, 2024
2	LISN	R&S	ENV216	101113	Dec. 12, 2024
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 12, 2024
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 12, 2024
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 12, 2024
6	Test Software	R&S	EMC32	6.10.10	/

Note: 1. The Cal. Interval was one year.

2. The Cal. Interval was three years of the antenna.

3. The cable loss has been calculated in test result which connection between each test instruments.

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TRF No: CTC-TR-057_A1

3. TEST ITEM AND RESULTS

3.1. Conducted Emission

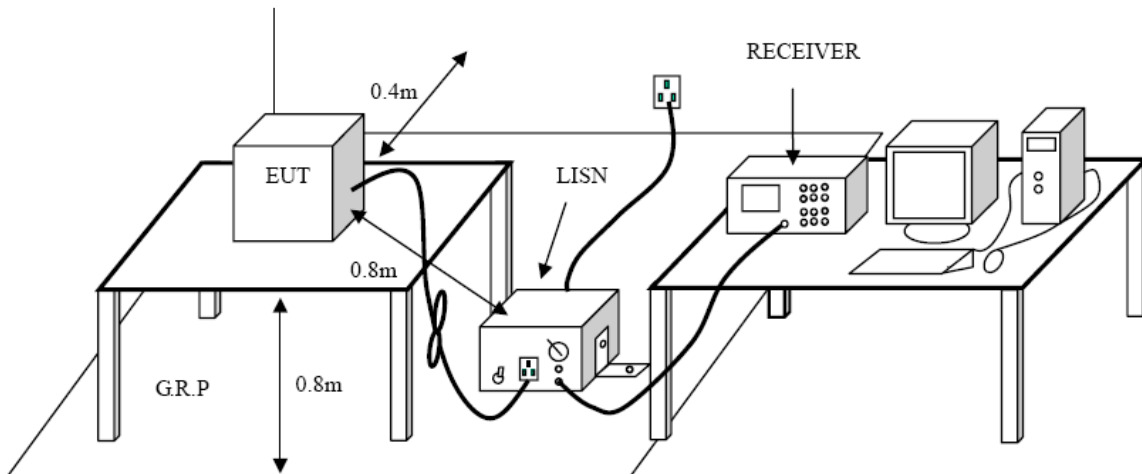
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207 / RSS-Gen 8.8

Frequency (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

* Decreases with the logarithm of the frequency.

Test Configuration



Test Procedure

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm / 50 μH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

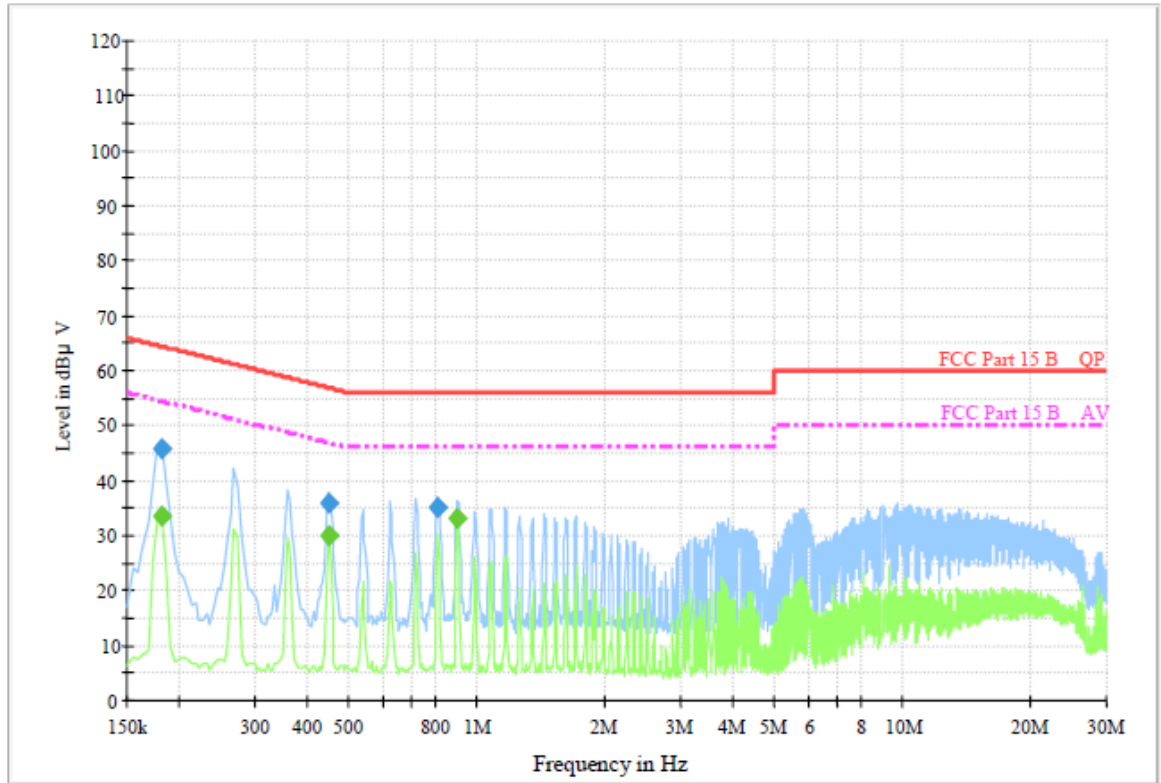
Test Mode

Please refer to the clause 2.4.



Test Result

Test Voltage:	AC 120V/60Hz
Terminal:	Line
Remark:	Only worse case is reported.



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.181500	46.0	1000.00	9.000	On	L1	9.5	18.4	64.4	
0.447000	35.9	1000.00	9.000	On	L1	9.5	21.0	56.9	
0.802500	35.1	1000.00	9.000	On	L1	9.5	20.9	56.0	

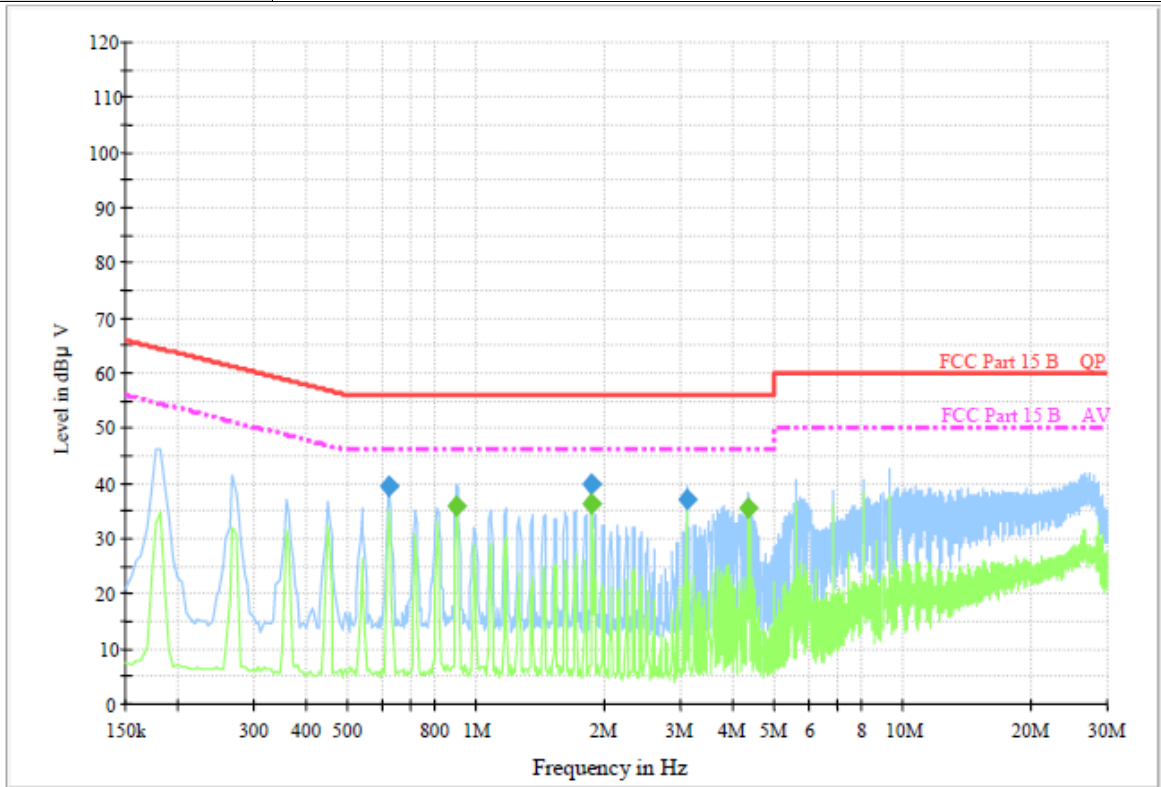
Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.181500	33.7	1000.00	9.000	On	L1	9.5	20.7	54.4	
0.447000	29.8	1000.00	9.000	On	L1	9.5	17.1	46.9	
0.897000	33.0	1000.00	9.000	On	L1	9.5	13.0	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Remark:	Only worse case is reported.



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.618000	39.5	1000.00	9.000	On	N	9.4	16.5	56.0	
1.860000	39.9	1000.00	9.000	On	N	9.4	16.1	56.0	
3.097500	37.2	1000.00	9.000	On	N	9.4	18.8	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.897000	36.0	1000.00	9.000	On	N	9.4	10.0	46.0	
1.860000	36.2	1000.00	9.000	On	N	9.4	9.8	46.0	
4.339500	35.4	1000.00	9.000	On	N	9.4	10.6	46.0	

Emission Level = Read Level + Correct Factor

3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209 / RSS-Gen 8.9

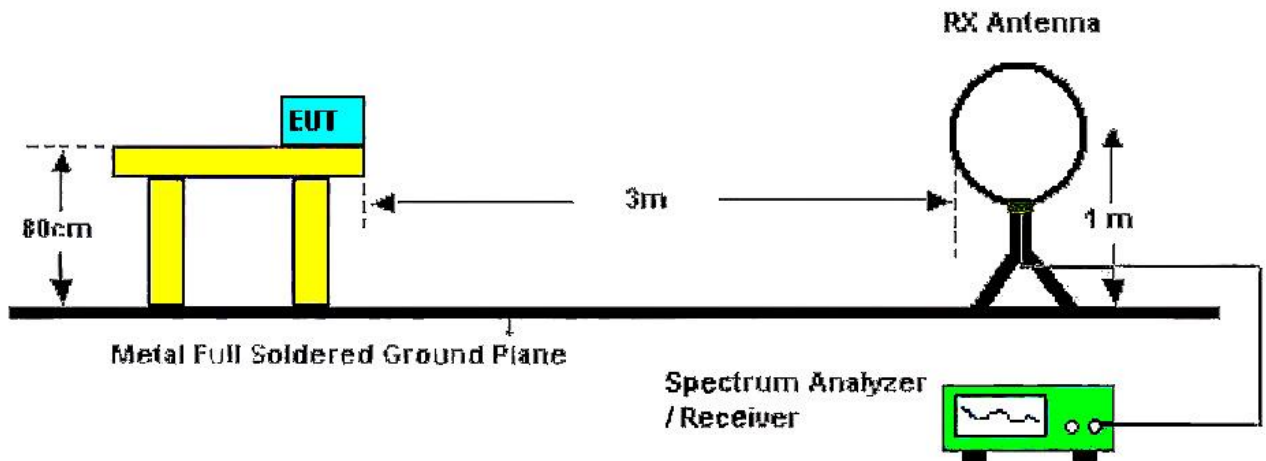
Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F (kHz)	300
0.490~1.705	24000/F (kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Frequency Range (MHz)	dBµV/m (at 3 meters)	
	Peak	Average
Above 1000	74	54

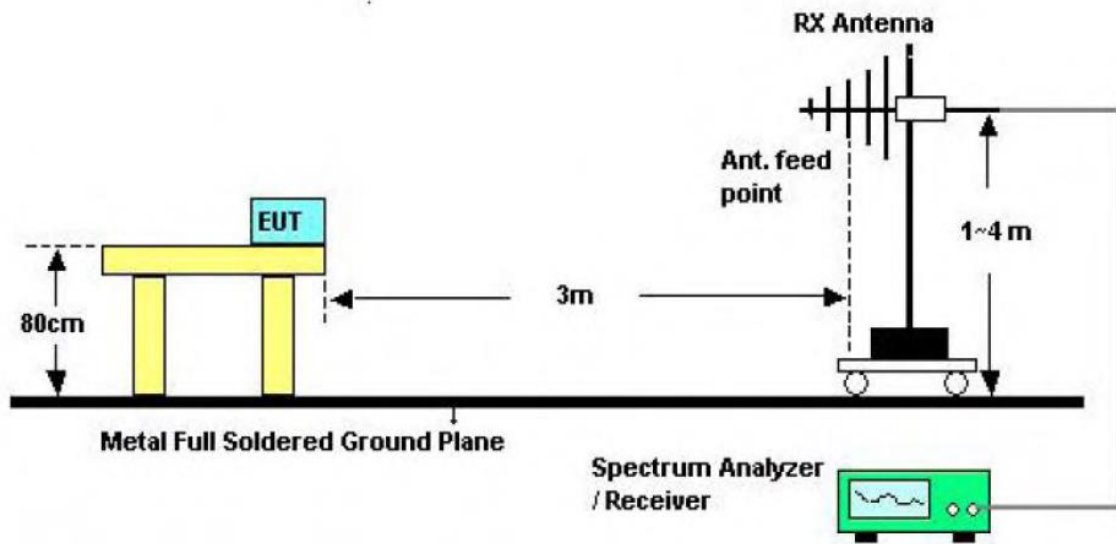
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBµV/m)=20log Emission Level (µV/m).

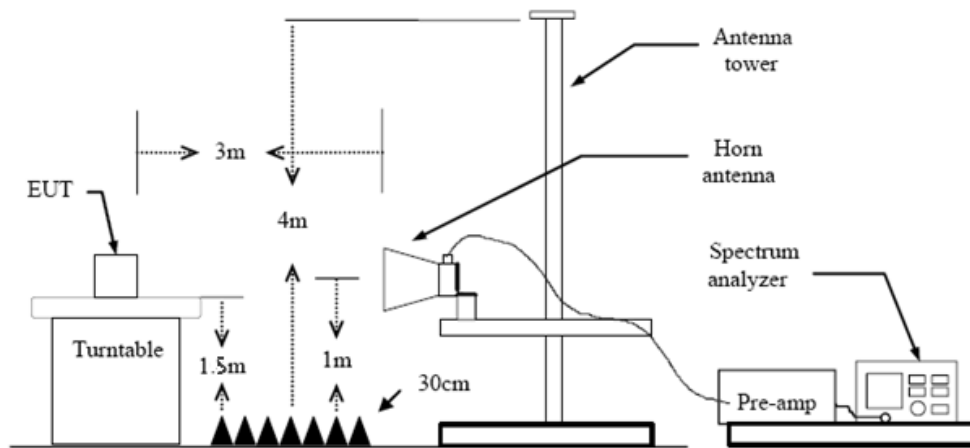
Test Configuration



Below 30MHz Test Setup



30-1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;



(2) 9k – 150kHz:

RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(3) 0.15M – 30MHz:

RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(4) 30M - 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

(5) From 1 GHz to 10th harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

9 kHz~30 MHz

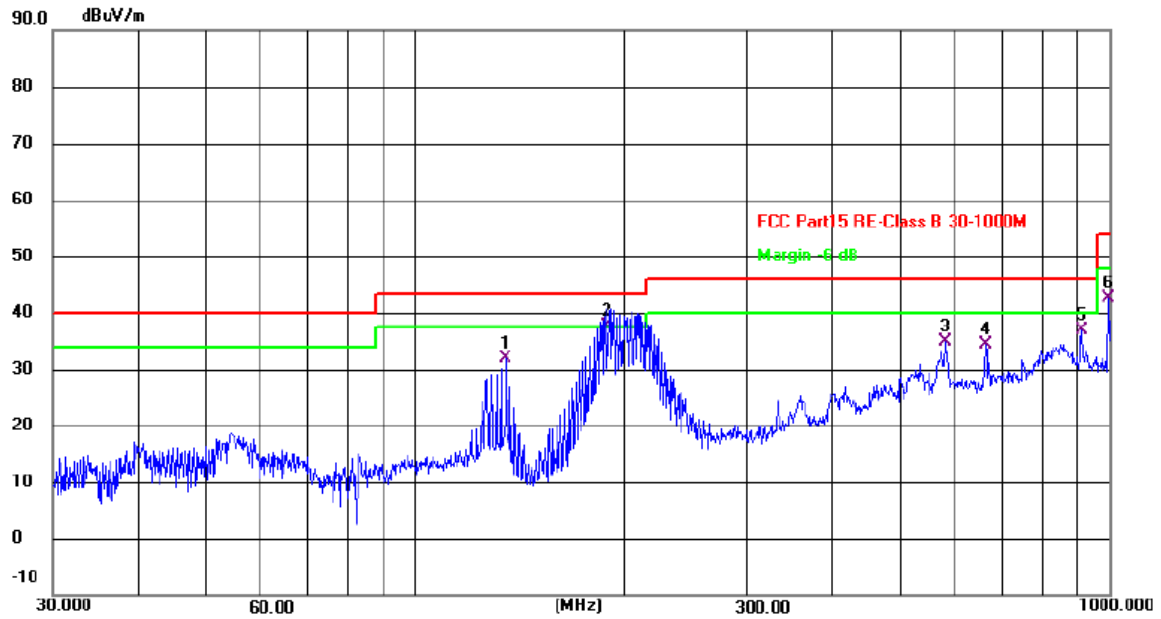
From 9 kHz to 30 MHz: The conclusion is PASS.

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



30MHz-1GHz

Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	Only worse case is reported.



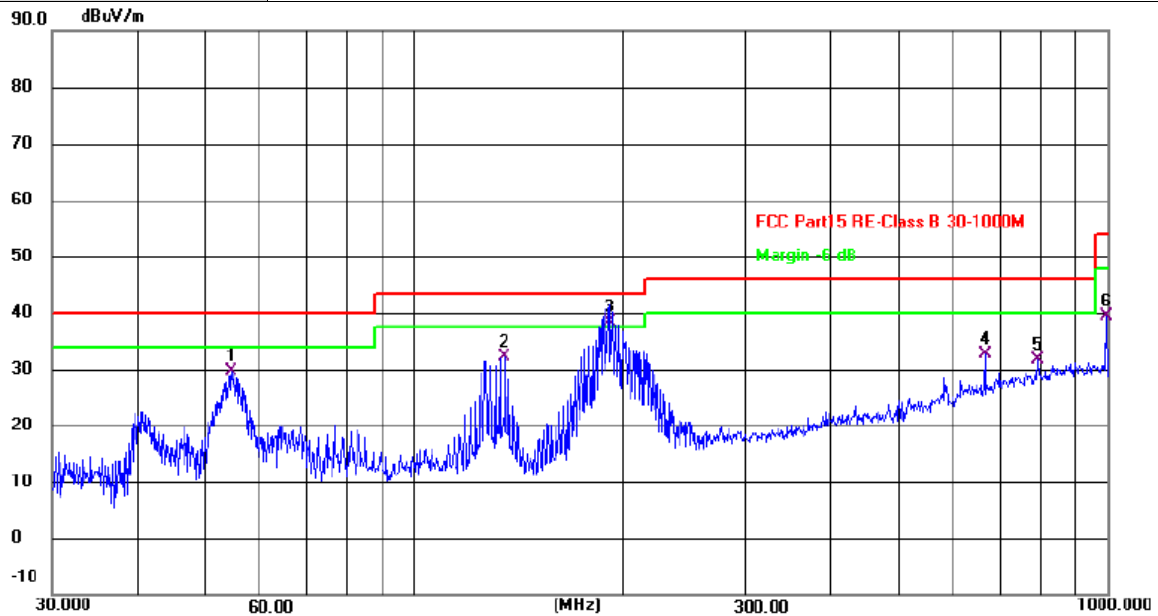
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	135.0318	53.18	-21.28	31.90	43.50	-11.60	QP
2 *	189.0743	56.56	-18.81	37.75	43.50	-5.75	QP
3	578.6700	43.71	-8.86	34.85	46.00	-11.15	QP
4	663.4728	41.82	-7.43	34.39	46.00	-11.61	QP
5	912.8620	40.67	-3.91	36.76	46.00	-9.24	QP
6	996.4995	45.67	-3.02	42.65	54.00	-11.35	QP

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.4516	45.70	-16.15	29.55	40.00	-10.45	QP
2	135.0319	53.35	-21.28	32.07	43.50	-11.43	QP
3 *	191.0738	56.90	-18.58	38.32	43.50	-5.18	QP
4	665.8035	40.10	-7.39	32.71	46.00	-13.29	QP
5	793.3958	37.04	-5.45	31.59	46.00	-14.41	QP
6	996.4996	42.50	-3.02	39.48	54.00	-14.52	QP

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Above 1GHz

Ant. Pol.	Horizontal						
Test Mode:	TX 802.11b Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3983.749	41.38	0.47	41.85	74.00	-32.15	peak
2	4821.757	55.12	2.01	57.13	74.00	-16.87	peak
3 *	4821.757	50.12	2.01	52.13	54.00	-1.87	AVG
4	6078.644	39.52	5.89	45.41	74.00	-28.59	peak
5	7682.696	39.60	10.20	49.80	74.00	-24.20	peak
6	9134.575	39.16	12.15	51.31	74.00	-22.69	peak
7	10453.949	39.52	13.92	53.44	74.00	-20.56	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11b Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3776.385	41.96	-0.32	41.64	74.00	-32.36	peak
2	4821.757	48.31	2.01	50.32	74.00	-23.68	peak
3	6428.771	39.45	7.14	46.59	74.00	-27.41	peak
4	7117.842	39.28	9.58	48.86	74.00	-25.14	peak
5	9157.857	40.21	12.22	52.43	74.00	-21.57	peak
6 *	11933.475	38.02	15.33	53.35	74.00	-20.65	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11b Mode 2437MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3968.833	41.49	0.42	41.91	74.00	-32.09	peak
2	4873.583	55.49	2.09	57.58	74.00	-16.42	peak
3 *	4873.583	50.49	2.09	52.58	54.00	-1.42	AVG
4	7145.250	39.71	9.73	49.44	74.00	-24.56	peak
5	9174.083	38.20	12.28	50.48	74.00	-23.52	peak
6	10729.000	38.79	14.31	53.10	74.00	-20.90	peak
7	12272.167	37.92	15.64	53.56	74.00	-20.44	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11b Mode 2437MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3988.417	41.21	0.50	41.71	74.00	-32.29	peak
2	4873.583	48.32	2.09	50.41	74.00	-23.59	peak
3	6401.083	39.71	7.07	46.78	74.00	-27.22	peak
4	7924.667	38.43	10.71	49.14	74.00	-24.86	peak
5	9099.667	38.59	12.03	50.62	74.00	-23.38	peak
6 *	11061.917	38.46	14.70	53.16	74.00	-20.84	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11b Mode 2462MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3961.000	41.68	0.38	42.06	74.00	-31.94	peak
2	4924.500	55.63	2.16	57.79	74.00	-16.21	peak
3 *	4924.500	50.63	2.16	52.79	54.00	-1.21	AVG
4	7184.417	38.71	9.93	48.64	74.00	-25.36	peak
5	8469.083	39.46	10.67	50.13	74.00	-23.87	peak
6	10341.250	39.11	13.80	52.91	74.00	-21.09	peak
7	12515.000	37.43	15.82	53.25	74.00	-20.75	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11b Mode 2462MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3882.667	42.31	0.08	42.39	74.00	-31.61	peak
2	4924.500	47.75	2.16	49.91	74.00	-24.09	peak
3	7223.583	38.95	10.03	48.98	74.00	-25.02	peak
4	7944.250	38.97	10.74	49.71	74.00	-24.29	peak
5	9988.750	39.37	13.16	52.53	74.00	-21.47	peak
6 *	12644.250	37.27	16.18	53.45	74.00	-20.55	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11g Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3957.083	41.56	0.37	41.93	74.00	-32.07	peak
2	4826.583	49.45	2.02	51.47	74.00	-22.53	peak
3	7133.500	39.42	9.66	49.08	74.00	-24.92	peak
4	8003.000	39.30	10.86	50.16	74.00	-23.84	peak
5 *	10071.000	39.98	13.32	53.30	74.00	-20.70	peak
6	11547.583	38.09	15.03	53.12	74.00	-20.88	peak
Remarks:							
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor							
2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11g Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3961.000	42.15	0.38	42.53	74.00	-31.47	peak
2	4830.500	41.12	2.03	43.15	74.00	-30.85	peak
3	5805.750	40.33	4.95	45.28	74.00	-28.72	peak
4	7043.417	40.74	9.18	49.92	74.00	-24.08	peak
5	7877.667	39.71	10.59	50.30	74.00	-23.70	peak
6 *	11042.333	38.68	14.69	53.37	74.00	-20.63	peak
Remarks:							
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor							
2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11g Mode 2437MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3945.333	41.66	0.33	41.99	74.00	-32.01	peak
2	4877.500	47.05	2.10	49.15	74.00	-24.85	peak
3	5946.750	39.75	5.45	45.20	74.00	-28.80	peak
4	7771.917	39.94	10.37	50.31	74.00	-23.69	peak
5	10309.917	39.19	13.74	52.93	74.00	-21.07	peak
6 *	12464.083	37.48	15.68	53.16	74.00	-20.84	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11g Mode 2437MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4004.083	41.59	0.54	42.13	74.00	-31.87	peak
2	4928.417	41.18	2.16	43.34	74.00	-30.66	peak
3	6432.417	38.80	7.14	45.94	74.00	-28.06	peak
4	7983.417	38.67	10.83	49.50	74.00	-24.50	peak
5	9612.750	38.98	12.62	51.60	74.00	-22.40	peak
6 *	12742.167	37.04	16.42	53.46	74.00	-20.54	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11g Mode 2462MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4920.583	44.21	2.15	46.36	74.00	-27.64	peak
2	6424.583	38.89	7.13	46.02	74.00	-27.98	peak
3	8065.667	39.62	10.70	50.32	74.00	-23.68	peak
4	9166.250	38.80	12.26	51.06	74.00	-22.94	peak
5	10913.083	38.49	14.58	53.07	74.00	-20.93	peak
6 *	12233.000	37.55	15.69	53.24	74.00	-20.76	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11g Mode 2462MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4556.333	40.75	1.50	42.25	74.00	-31.75	peak
2	5582.500	39.26	4.04	43.30	74.00	-30.70	peak
3	7478.167	38.66	10.09	48.75	74.00	-25.25	peak
4	9044.833	38.87	11.84	50.71	74.00	-23.29	peak
5	10255.083	37.45	13.66	51.11	74.00	-22.89	peak
6 *	12142.917	37.60	15.65	53.25	74.00	-20.75	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3698.583	41.71	-0.54	41.17	74.00	-32.83	peak
2	4822.667	46.33	2.01	48.34	74.00	-25.66	peak
3	6287.500	38.95	6.62	45.57	74.00	-28.43	peak
4	7909.000	39.15	10.67	49.82	74.00	-24.18	peak
5	10247.250	38.32	13.66	51.98	74.00	-22.02	peak
6 *	12366.167	38.07	15.53	53.60	74.00	-20.40	peak
Remarks:							
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor							
2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3060.167	39.19	-2.06	37.13	74.00	-36.87	peak
2	4607.250	40.74	1.61	42.35	74.00	-31.65	peak
3	6487.250	39.22	7.28	46.50	74.00	-27.50	peak
4	8151.833	39.00	10.48	49.48	74.00	-24.52	peak
5	10862.167	38.40	14.52	52.92	74.00	-21.08	peak
6 *	12393.583	37.84	15.50	53.34	74.00	-20.66	peak
Remarks:							
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor							
2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4000.167	42.22	0.54	42.76	74.00	-31.24	peak
2	4873.583	43.95	2.09	46.04	74.00	-27.96	peak
3	6354.083	40.10	6.88	46.98	74.00	-27.02	peak
4	8026.500	39.08	10.80	49.88	74.00	-24.12	peak
5	9812.500	38.03	12.96	50.99	74.00	-23.01	peak
6 *	11571.083	38.54	15.08	53.62	74.00	-20.38	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3635.917	41.14	-0.73	40.41	74.00	-33.59	peak
2	4462.333	42.02	1.29	43.31	74.00	-30.69	peak
3	6659.583	38.68	7.68	46.36	74.00	-27.64	peak
4	8010.833	40.00	10.84	50.84	74.00	-23.16	peak
5 *	10846.500	39.11	14.50	53.61	74.00	-20.39	peak
6	12393.583	37.64	15.50	53.14	74.00	-20.86	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 2462MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3984.500	41.81	0.47	42.28	74.00	-31.72	peak
2	4912.750	43.65	2.14	45.79	74.00	-28.21	peak
3	7227.500	39.60	10.03	49.63	74.00	-24.37	peak
4	9252.417	39.48	12.41	51.89	74.00	-22.11	peak
5	10764.250	38.45	14.39	52.84	74.00	-21.16	peak
6 *	12346.583	38.00	15.55	53.55	74.00	-20.45	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 2462MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4039.333	41.67	0.58	42.25	74.00	-31.75	peak
2	4924.500	42.04	2.16	44.20	74.00	-29.80	peak
3	6389.333	39.70	7.02	46.72	74.00	-27.28	peak
4	7196.167	39.82	10.00	49.82	74.00	-24.18	peak
5	8359.417	40.01	10.50	50.51	74.00	-23.49	peak
6 *	10956.167	38.79	14.62	53.41	74.00	-20.59	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 2422MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3867.000	42.02	0.02	42.04	74.00	-31.96	peak
2	4850.083	44.99	2.05	47.04	74.00	-26.96	peak
3	7129.583	40.47	9.64	50.11	74.00	-23.89	peak
4	8888.167	38.77	11.53	50.30	74.00	-23.70	peak
5	10396.083	38.60	13.88	52.48	74.00	-21.52	peak
6 *	12252.583	37.48	15.67	53.15	74.00	-20.85	peak
Remarks:							
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor							
2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11n(HT40) Mode 2422MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4407.500	41.80	1.14	42.94	74.00	-31.06	peak
2	6405.000	38.81	7.08	45.89	74.00	-28.11	peak
3	7196.167	39.00	10.00	49.00	74.00	-25.00	peak
4	9604.917	38.49	12.60	51.09	74.00	-22.91	peak
5	10870.000	38.97	14.52	53.49	74.00	-20.51	peak
6 *	12264.333	37.91	15.65	53.56	74.00	-20.44	peak
Remarks:							
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor							
2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 2437MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4861.833	43.05	2.07	45.12	74.00	-28.88	peak
2	6502.917	39.11	7.33	46.44	74.00	-27.56	peak
3	7959.917	40.39	10.78	51.17	74.00	-22.83	peak
4	9561.833	38.49	12.59	51.08	74.00	-22.92	peak
5 *	10768.167	39.28	14.39	53.67	74.00	-20.33	peak
6	12432.750	37.64	15.59	53.23	74.00	-20.77	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 802.11n(HT40) Mode 2437MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3867.000	42.20	0.02	42.22	74.00	-31.78	peak
2	4528.917	41.54	1.44	42.98	74.00	-31.02	peak
3	6283.583	39.42	6.59	46.01	74.00	-27.99	peak
4	8273.250	39.20	10.41	49.61	74.00	-24.39	peak
5	10439.167	38.68	13.91	52.59	74.00	-21.41	peak
6 *	12280.000	37.46	15.63	53.09	74.00	-20.91	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2452MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4904.917	43.17	2.13	45.30	74.00	-28.70	peak
2	6358.000	38.81	6.89	45.70	74.00	-28.30	peak
3	7227.500	39.39	10.03	49.42	74.00	-24.58	peak
4	9213.250	39.02	12.38	51.40	74.00	-22.60	peak
5	10889.583	38.74	14.55	53.29	74.00	-20.71	peak
6 *	12460.167	37.89	15.66	53.55	74.00	-20.45	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2452MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4744.333	41.26	1.88	43.14	74.00	-30.86	peak
2	6365.833	39.28	6.93	46.21	74.00	-27.79	peak
3	7192.250	39.36	9.98	49.34	74.00	-24.66	peak
4	8042.167	39.64	10.76	50.40	74.00	-23.60	peak
5	10247.250	38.52	13.66	52.18	74.00	-21.82	peak
6 *	11496.667	38.71	14.95	53.66	74.00	-20.34	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

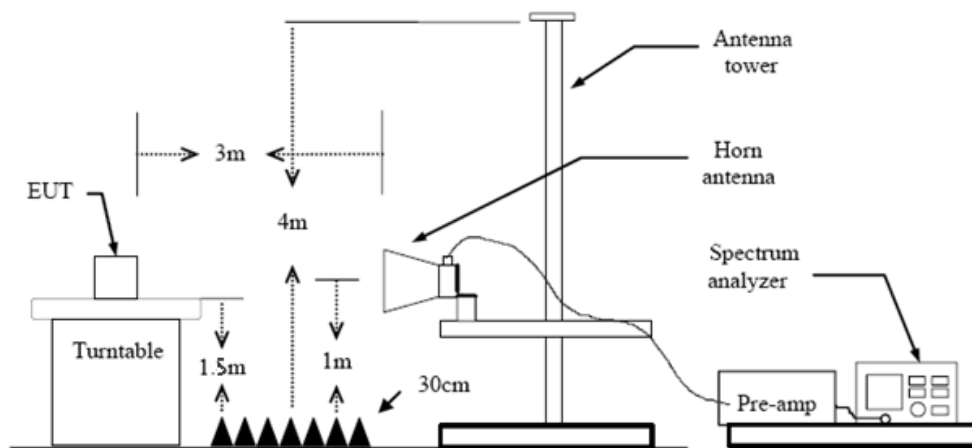
3.3. Band Edge Emissions (Radiated)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d) / RSS-247 5.5

Restricted Frequency Band (MHz)	(dB μ V/m) (at 3m)	
	Peak	Average
2310 ~ 2390	74	54
2483.5 ~ 2500	74	54

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5. The receiver set as follow:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.
 RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

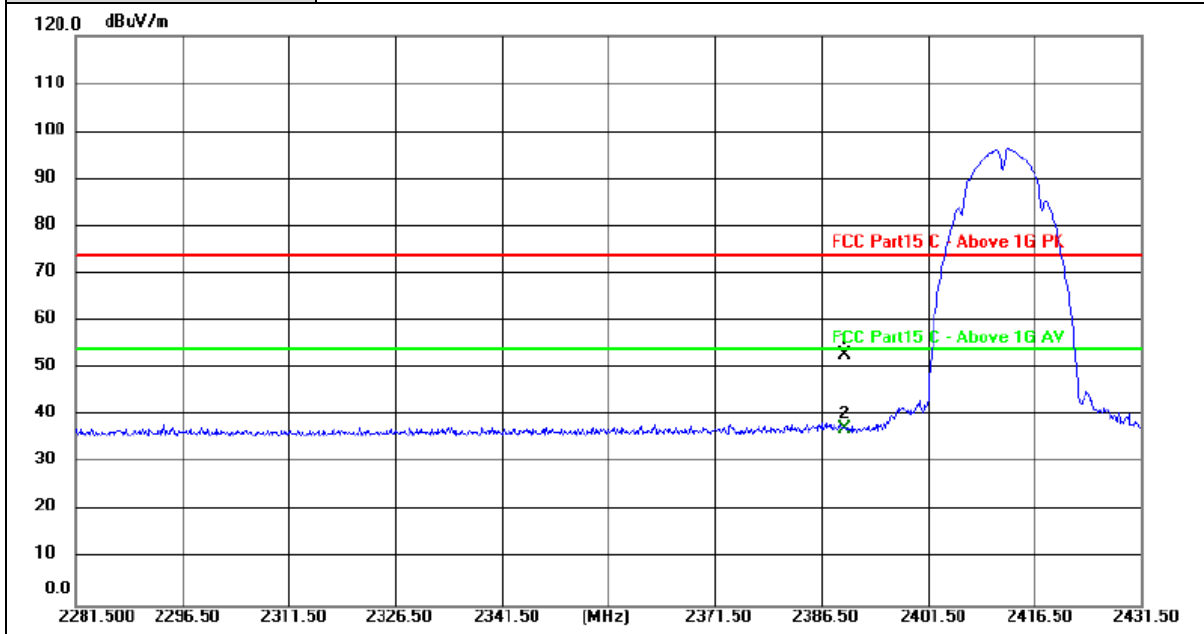
Test Mode

Please refer to the clause 2.4.



Test Result

Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz



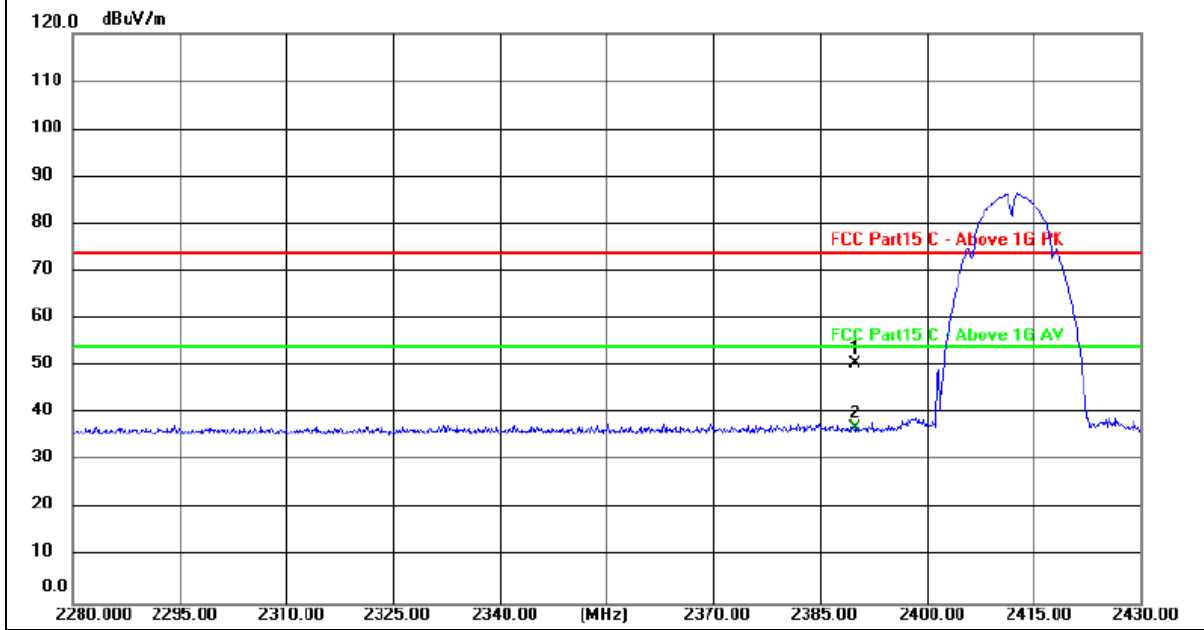
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	21.50	31.31	52.81	74.00	-21.19	peak
2 *	2390.000	6.07	31.31	37.38	54.00	-16.62	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz



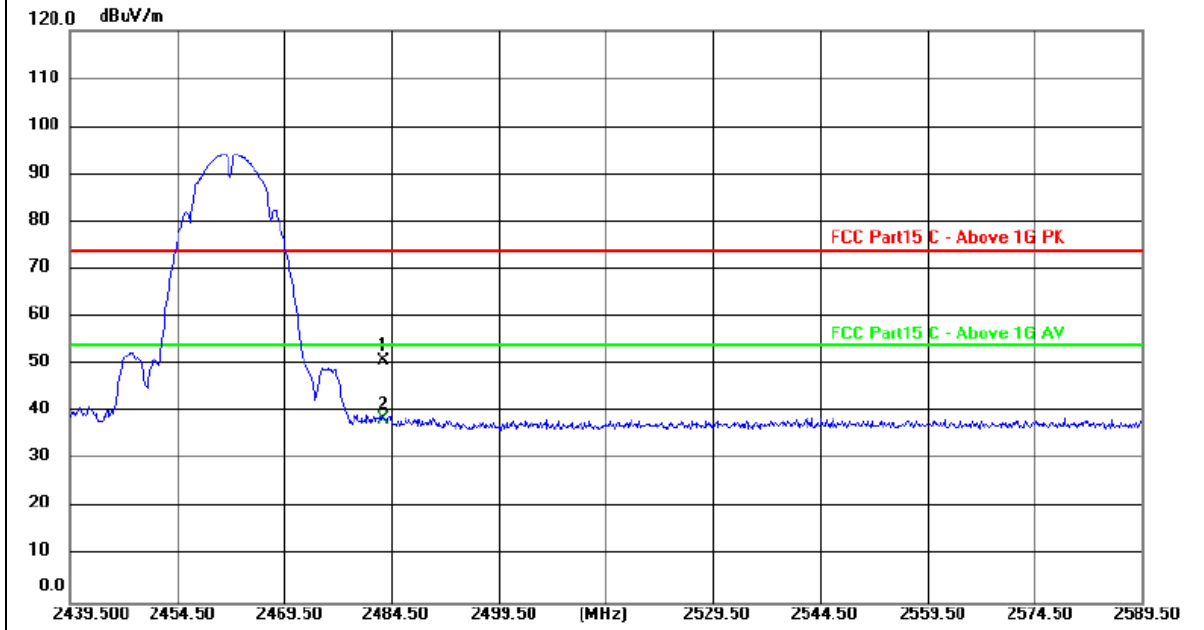
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	19.24	31.31	50.55	74.00	-23.45	peak
2 *	2390.000	5.66	31.31	36.97	54.00	-17.03	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2462MHz



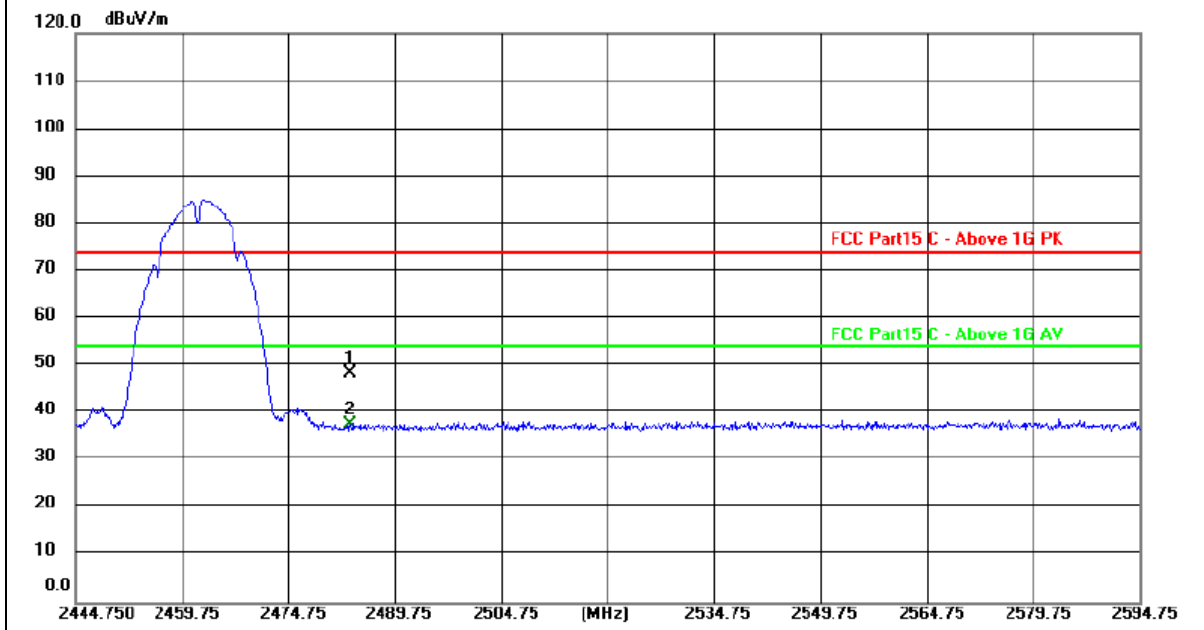
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.51	31.48	50.99	74.00	-23.01	peak
2 *	2483.500	6.94	31.48	38.42	54.00	-15.58	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2462MHz



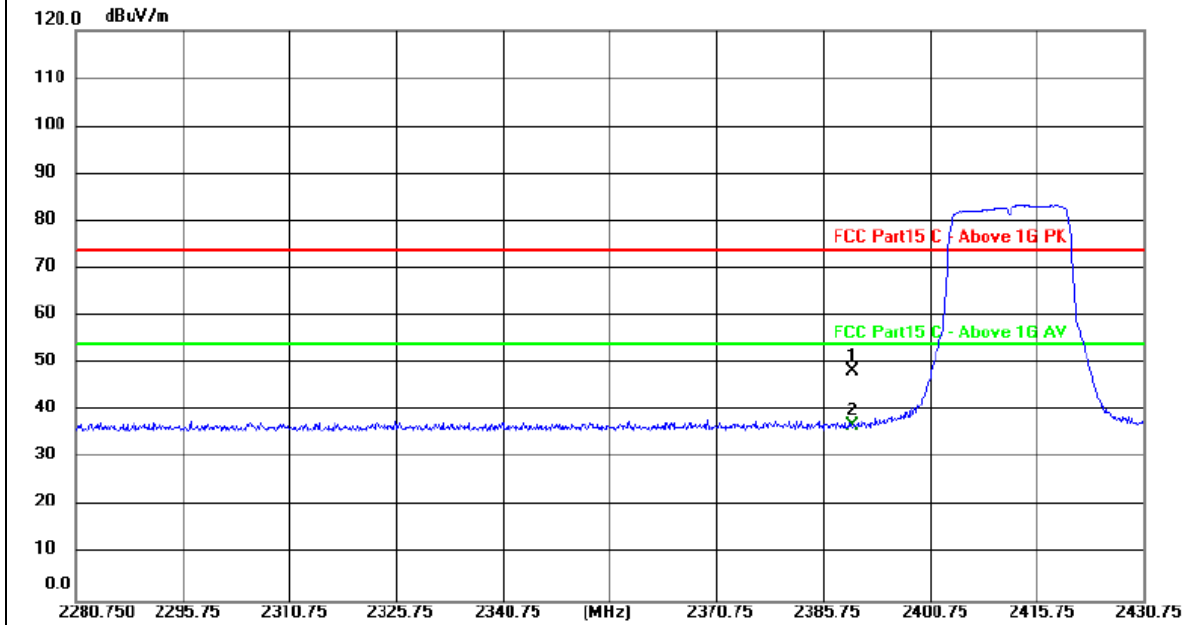
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.97	31.48	48.45	74.00	-25.55	peak
2 *	2483.500	6.18	31.48	37.66	54.00	-16.34	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2. Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2412MHz



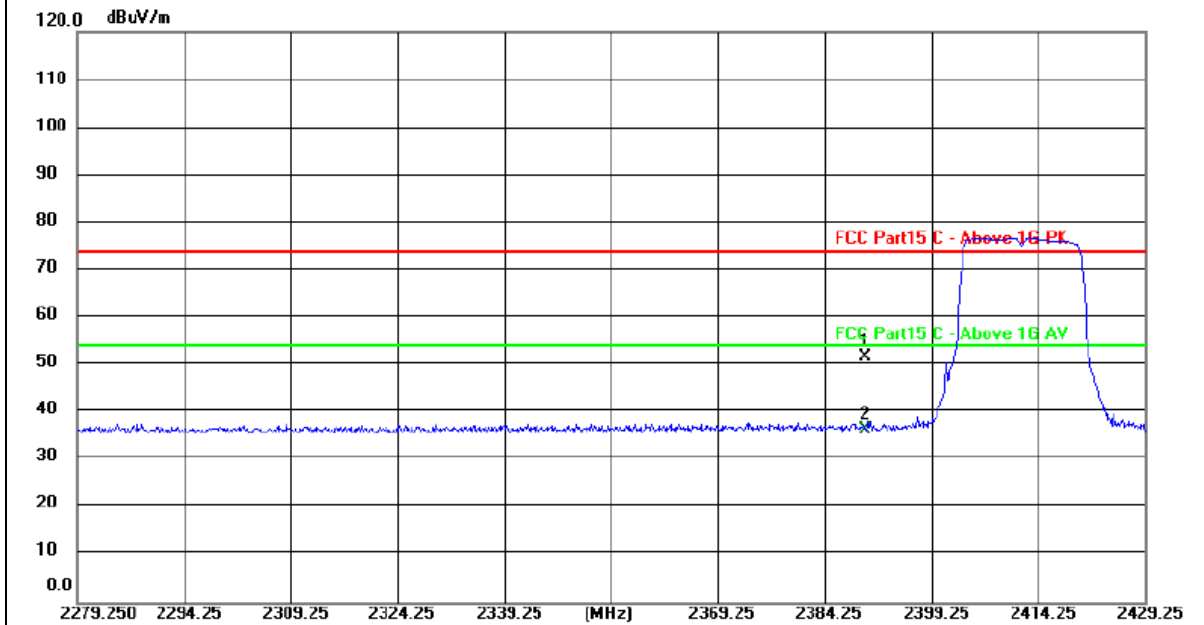
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	17.04	31.31	48.35	74.00	-25.65	peak
2 *	2390.000	5.84	31.31	37.15	54.00	-16.85	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2412MHz



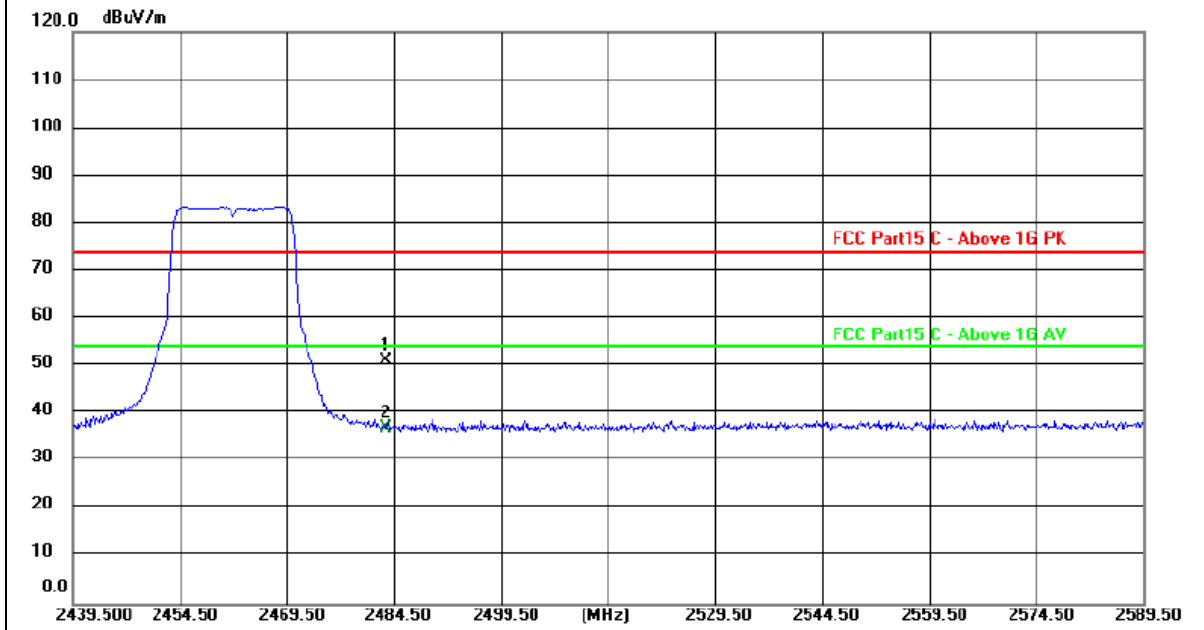
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	20.32	31.31	51.63	74.00	-22.37	peak
2 *	2390.000	5.23	31.31	36.54	54.00	-17.46	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2. Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2462MHz



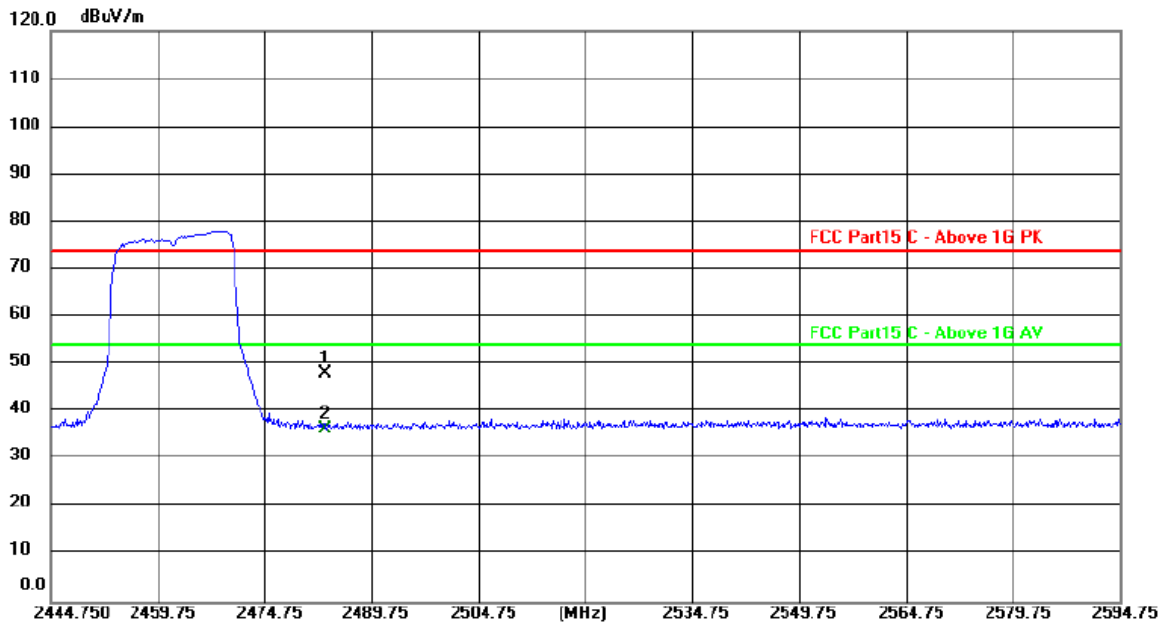
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.76	31.48	51.24	74.00	-22.76	peak
2 *	2483.500	5.61	31.48	37.09	54.00	-16.91	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2462MHz



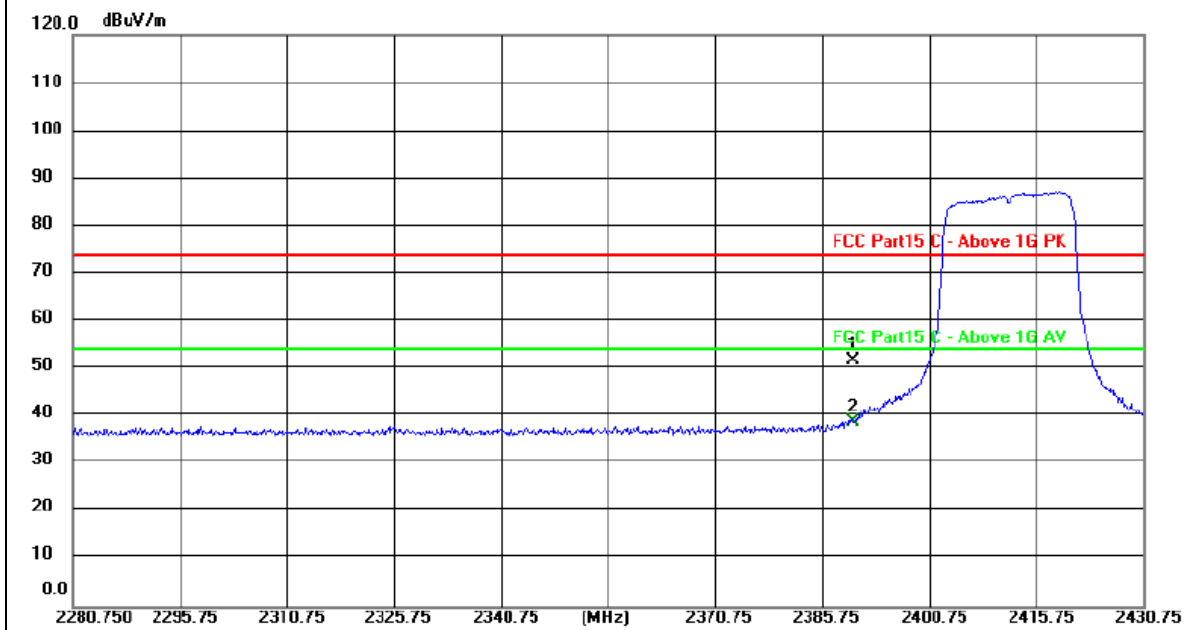
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.67	31.48	48.15	74.00	-25.85	peak
2 *	2483.500	4.99	31.48	36.47	54.00	-17.53	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2412MHz



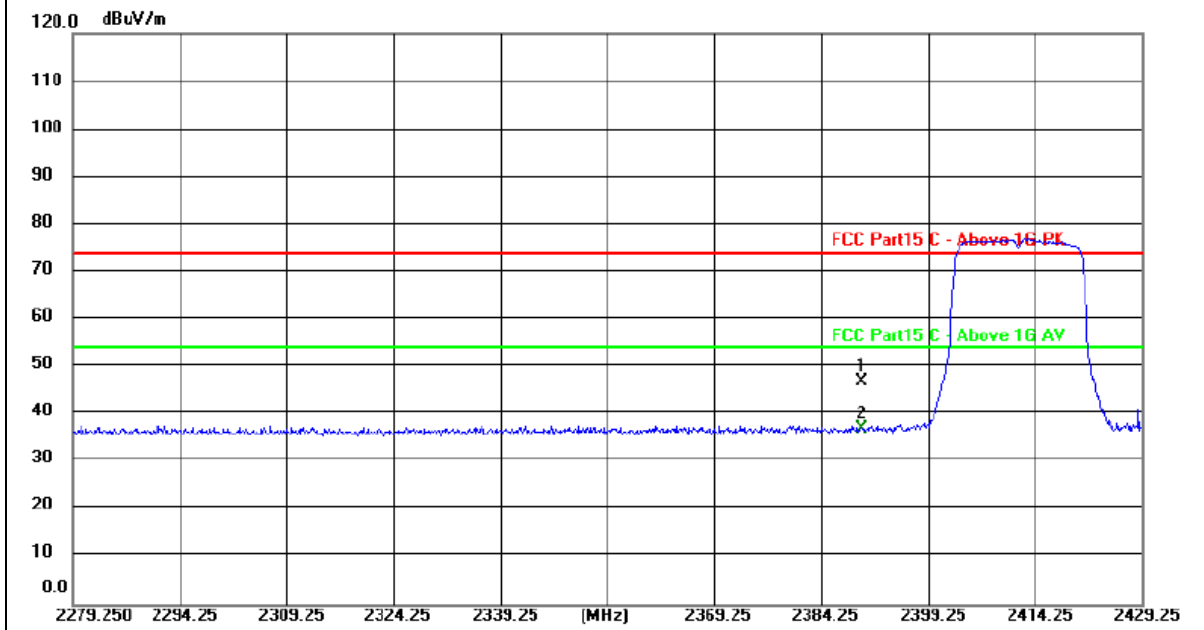
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	20.42	31.31	51.73	74.00	-22.27	peak
2 *	2390.000	7.41	31.31	38.72	54.00	-15.28	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2412MHz



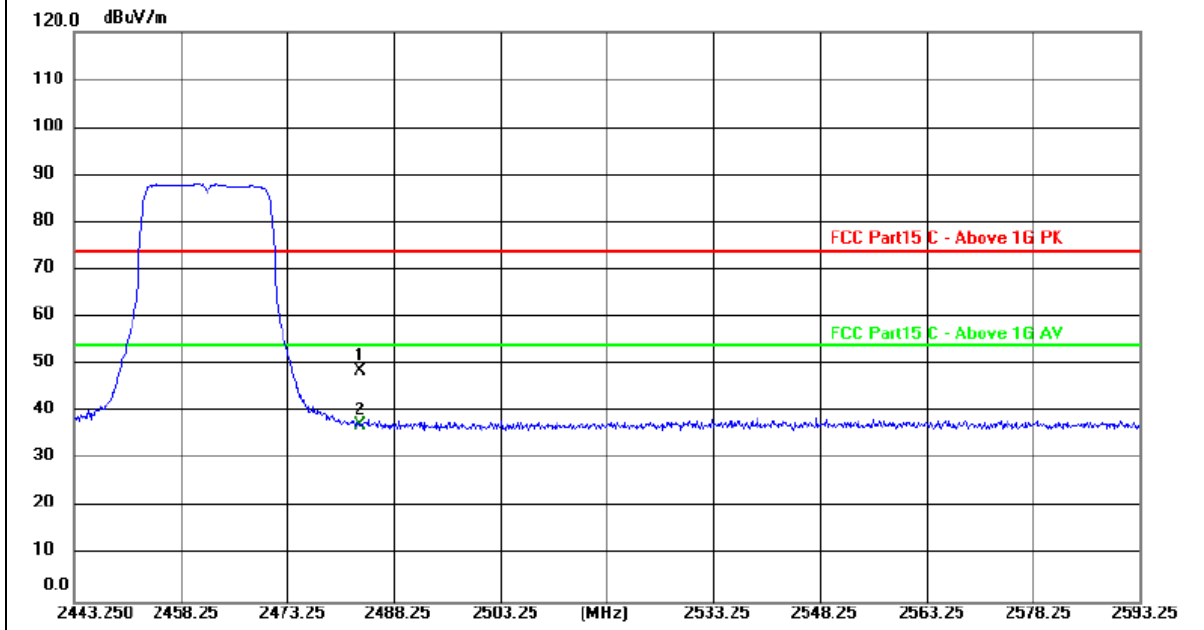
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.72	31.31	47.03	74.00	-26.97	peak
2 *	2390.000	5.87	31.31	37.18	54.00	-16.82	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



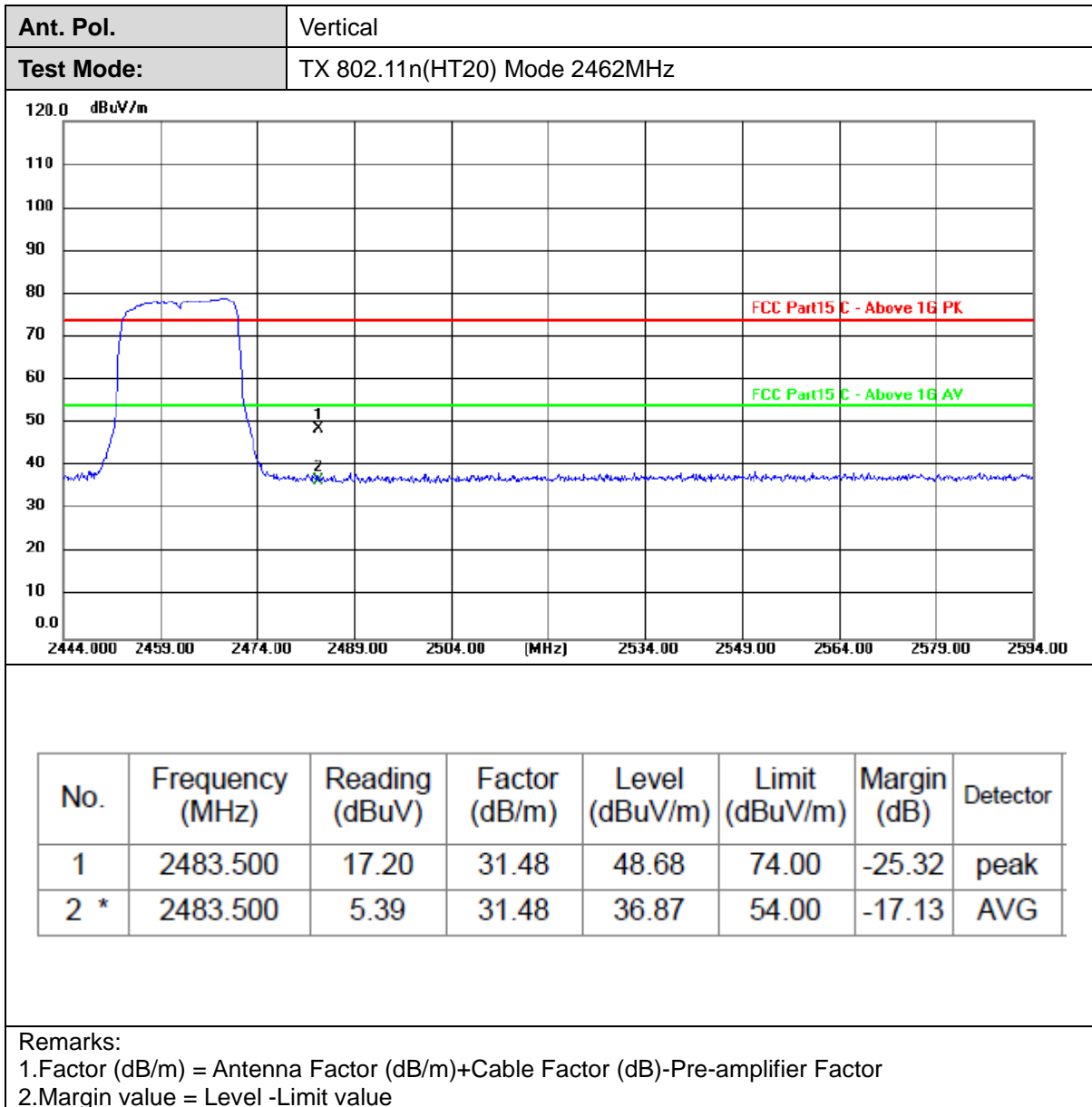
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	17.20	31.48	48.68	74.00	-25.32	peak
2 *	2483.500	5.77	31.48	37.25	54.00	-16.75	AVG

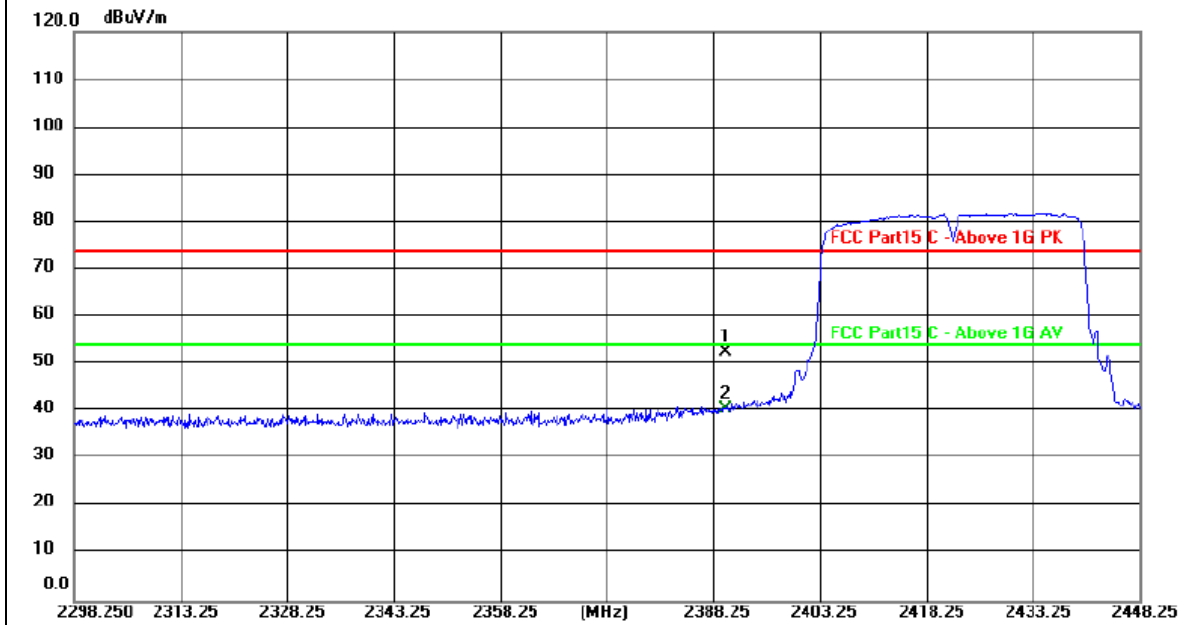
Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value





Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2422MHz



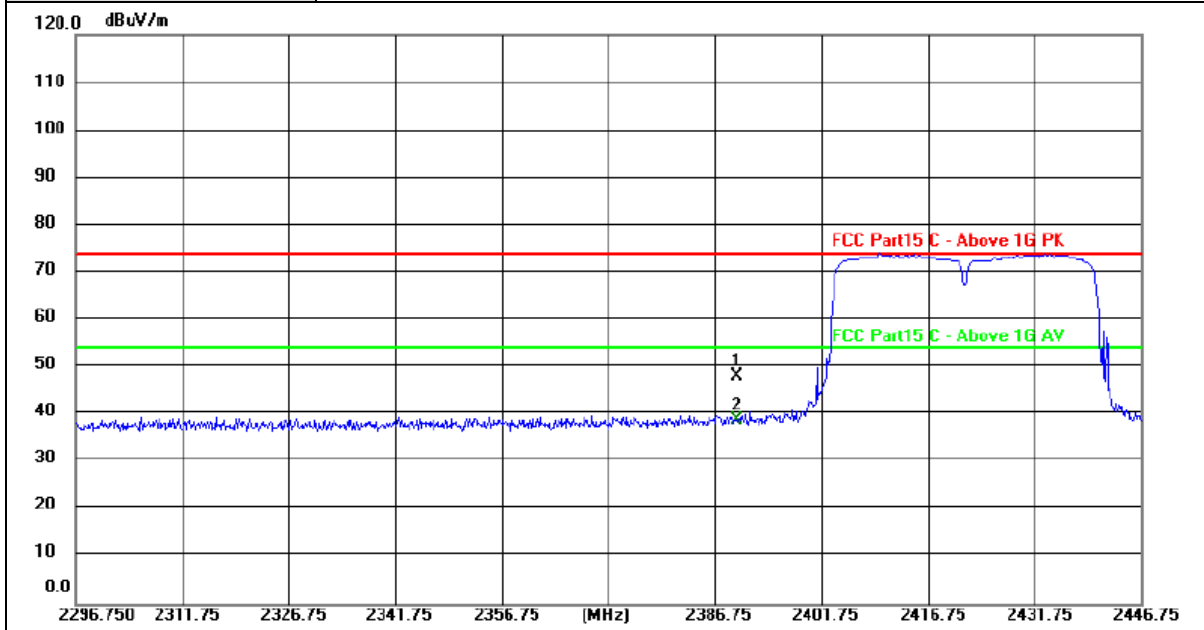
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	21.36	31.31	52.67	74.00	-21.33	peak
2 *	2390.000	9.21	31.31	40.52	54.00	-13.48	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2422MHz



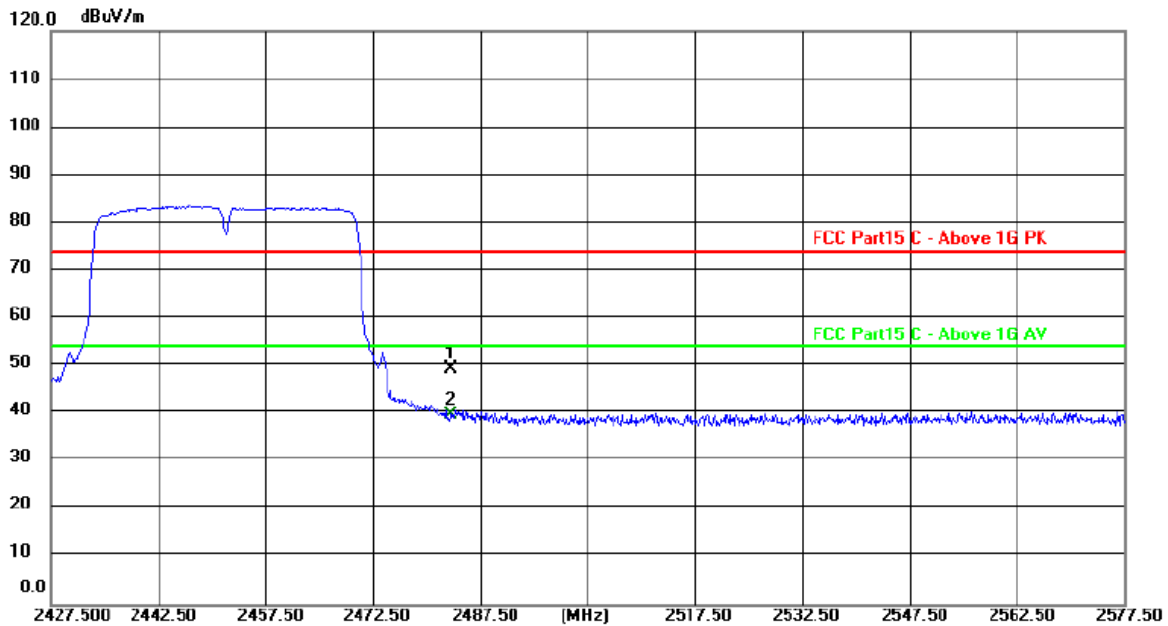
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	16.93	31.31	48.24	74.00	-25.76	peak
2 *	2390.000	7.65	31.31	38.96	54.00	-15.04	AVG

Remarks:

- 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2. Margin value = Level -Limit value



Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2452MHz



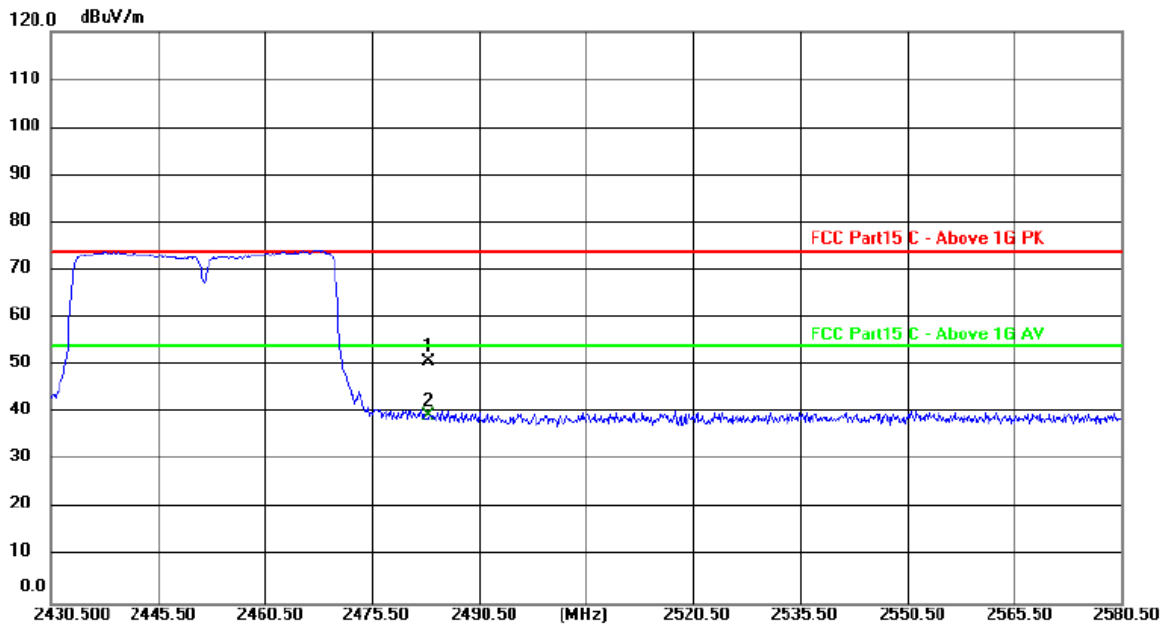
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	17.83	31.48	49.31	74.00	-24.69	peak
2 *	2483.500	8.38	31.48	39.86	54.00	-14.14	AVG

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.24	31.48	50.72	74.00	-23.28	peak
2 *	2483.500	8.08	31.48	39.56	54.00	-14.44	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value